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# VPCSA23GX/BI

At just over 3.6 lbs. the all new VAIO® S Series laptop offers a step up to the performance and portability you demand. From its seamless contours to advanced technology that offers up to 15 hours of combined battery life (with optional extended battery)[9] the S combines bold design and mobile performance in a way only Sony can.

## All Day Mobility

Leveraging the latest innovations in lithium polymer technology, the battery of the S Series is integrated into the PC and conforms to the contours of the chassis offering a thinner battery profile while still supplying up to 8 hours of battery life.[9] This concept even extends to the all-new large capacity sheet battery and leaves behind the traditional bulky and protruding long-life batteries of the past. Attaching directly to the standard capacity battery and by working in tandem with it, you'll enjoy up to 15 hours of total combined battery life (with optional extended battery)[9] – helping to keep you unplugged longer.

## Detail in Design

With uncompromising attention to detail and a passion for design, the all new S Series features a fully flat design concept, a seamless piece of brushed aluminum milled to precise specifications creates the core of the S Series chassis offering firm structural integrity while creating bold clean contours.

## Intel® Core™ Processor technology

For the most visible difference in multitasking or HD multimedia, S Series features top-of-the-line performance you can truly see and feel. With our best set of features for speed and responsiveness, you can experience the 2nd generation Intel® Core™ i5 processor and the AMD® HD 6630M 1GB VRAM dedicated graphics making it the ideal choice for whatever you want to do. In addition, Solid State Drives with RAID O technology provide the maximum storage and protection performance.

Designed and engineered to speak for itself, the S Series introduces you to a world of bold design and mobile performance only Sony can bring you. Featuring 2nd generation Intel® Core™ processor technology powerful yet efficient hybrid graphics, beautiful 13.3" anti-glare display, and up to 15 hours of combined battery life (with optional extended battery)[9] in a thin-and-light chassis, the S Series perfectly combines design, power and portability at an exceptional value.

## Specifications

| | |
|---|---|
| **Processor** | |
| Processor Type | Intel® Core™ i5-2410M |
| Processor Technology | Dual Core |
| Processor Speed | 2.30GHz[1] with Intel® Turbo Boost Technology up to 2.90GHz[2] |
| Processor Cache | 3MB |
| **Display** | |
| Screen Size | 13.3" |
| Resolution | 1600 x 900 |
| Backlight Technology | LED |
| **Memory** | |
| Installed Memory | 4GB (onboard) |
| Memory Type/Speed | DDR3/1333MHz |
| Max. Memory | 8GB |

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| **Graphics** | |
| Graphics Processor | AMD Radeon™ HD 6630M |
| Graphics Video RAM | 1GB dedicated |
| Graphics Technology | Hybrid Graphics |
| **Storage** | |
| Storage Type | Solid State Drive |
| Storage Capacity | 128GB SSD[4] |
| Storage Technology | No RAID |
| **Optical Drive** | |
| Optical Drive Type | CD/DVD Player / Burner |
| Optical Drive Support - CD/DVD | Read / Write |
| **Hardware** | |
| Camera | Built-in HD web camera powered by Exmor™ sensor and microphone |
| Keyboard | QWERTY, 82 keys with 2.0mm stroke and 19.05mm pitch |
| Backlit Keyboard | Yes |
| **Audio** | |
| Sound System | Intel® High Definition Audio with Dolby® Home Theater® Technology v3 |
| **Inputs and Outputs** | |
| DC-In | 1 |
| USB 3.0 | 1 |
| USB 2.0 | 2 |
| VGA Output(s) | 1 |
| Headphone Output | 1 |
| Secure Digital (SD) Slot | 1 |
| Port Replicator Connector(s) | 1 |
| HDMI® Output(s) | 1 |
| Memory Stick Duo™ | 1 |
| **Wireless/Networking** | |
| Bluetooth® Technology | Bluetooth Integrated Stereo A2DP (2.1 + EDR) |
| Ethernet Protocol | 1000BASE-T/100BASE-TX/10BASE-T |
| WiFi Adapter | Intel® Centrino® Advanced-N 6205 |
| WiDi Ready | Yes - Intel® Wireless Display Technology[8] |
| **Software** | |
| Operating System | Genuine Windows® 7 Professional with Service Pack 1 64-bit |
| Supplied Software | Microsoft® Office Starter with reduced-functionality versions of Word and Excel®[6], VAIO Care™, Media Gallery™, PMB - VAIO Edition |
| Anti-Virus Software | Norton Internet Security™ 2011 30-Day Trial Offer[11] |
| **Service and Warranty Informatio** | |
| International Service | Yes |
| Limited Warranty Term | 1 Year |
| Environmental Information | |
| ENERGY STAR® | 5.0 |
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|---|---|
| EPEAT™ | Gold |
| ROHS® | Compliant |
| **Weights and Measurements** | |
| Dimensions (Approx.) | 13.04" (W) x 0.92" (H) x 8.84" (D) |
| Weight (Approx.) | 3.65 lbs. (with Internal Battery) |
| **Power** | |
| Battery Type | Internal Lithium Polymer Battery (4400mAh) |
| DVD Playback | Up to 4.5 hours[9] |
| Default Brightness | Up to 8 hours[9] |
| Maximum Brightness | Up to 7 hours[9] |
| **Start-up Times** | |
| Average Resume Time from Suspend | 2 seconds |
| Average Boot Time | 60 seconds |
| First Boot Time | 5 minutes, excluding end user interaction |
| **General** | |
| Security | Biometric Fingerprint Sensor, Trusted Platform Module (TCG ver. 1.2 certified) |
| Action Buttons | VAIO, ASSIST, WEB, Eject, Speed/Stamina, Wireless On/Off |
| Pointing Device | Touchpad (Gesture supported) |
| **Accessories** | |
| Supplied Accessories | Internal Lithium Polymer Battery (4000mAh), AC Adapter, Power Cord |

1. GHz denotes maximum microprocessor internal clock speed and may vary based on application.

2. Requires a system with Intel® Turbo Boost Technology capability. Intel Turbo Boost Technology 2.0 is available only on 2nd generation Intel® Core™ i5 and Core™ i7 processors. Performance varies depending on hardware, software and system configuration.

3. Available on select Intel® Core™ processors. Requires an Intel® HT Technology enabled system. Performance will vary depending on the specific hardware and software used.

4. 1 GB = one billion bytes. Actual formatted capacity will be less.

6. This PC is preloaded with reduced-functionality versions of Word and Excel that include advertising. Purchase an Office 2010 Product Key to activate full-featured Office software on this PC.

8. Requires TV Adapter and compatible television. Does not support Blu-ray Disc™ or other protected content playback.

9. Estimates only based on Sony engineering testing with solid state drive (SSD) configuration. Actual performance will vary based on configurable options, environmental conditions and usage. Battery capacity decreases over time and use.

11. Norton™ Internet Security 2011 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.

Specifications subject to change. Non-metric weights and measures are approximate.

Certain Microsoft products included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATIONPROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer and may be completed by Internet or telephone (toll charges may apply).

This product meets the standards of the International Energy Star Program for energy efficiency.

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